

AMENDMENTS TO THE CLAIMS

Please amend claim 1, cancel claims 2-8, and add claims 9-16 as indicated:

1. (currently amended) [[System]] A system for downloading a data file from a web server to a user workstation through a network to which is connected said user workstation, having a hard disk [[or]] for storing said data file being transferred over a SCSI bus; said user workstation including a dual-port memory, said dual-port memory for storing temporarily said data file having an input port and an output port[[,]]; a network logic unit interconnected between said network and said input port for receiving said data file from said network and transmitting it to said dual-port memory[[,]]; and a SCSI logic unit interconnected between said output-port and said SCSI bus for transferring said data file from said dual-port memory to said hard disk over said SCSI bus.

Claims 2-8. (currently cancelled)

9. (new) A system comprising:

a volatile system memory;

a non-volatile memory; and

a network adapter, the network adapter including:

a non-system memory capable of temporarily storing a packet received by the network adapter; and

a microcontroller capable of evaluating the packet received by the network adapter;

wherein if the microcontroller determines that the packet is destined for the system's non-volatile memory, then the microcontroller directly transfers the packet from the non-system memory in the network adapter to the system's non-volatile memory, and wherein if the microcontroller does not determine that the packet is destined for the system's non-volatile memory, then the microcontroller transfers the packet from the non-system memory in the network adapter to the volatile system memory.

10. (new) The system of claim 9, further comprising:

a system bus connecting the network adapter to the volatile system memory; and
a Small Computer System Interface (SCSI) bus connecting the network adapter to the system's non-volatile memory,
wherein a transfer of the packet from the non-system memory in the network adapter to the system's non-volatile memory does not occur via the system bus.

11. (new) The system of claim 10, wherein the non-system memory in the network adapter is a dual-port memory, the dual-port memory having a first port coupled to the system bus and a second port coupled to the SCSI bus.

12. (new) The system of claim 9, wherein the system's non-volatile memory is a hard disk in a hard disk drive that has a SCSI interface to the SCSI bus.

13. (new) The system of claim 9, wherein the microcontroller evaluates the packet by examining in the packet:

an address source;
an address destination; and
a port number that indicates which transfer protocol is used by the packet,
such that only packets having a pre-determined source and address destination and using a pre-determined port are transferred from the non-system memory in the network adapter to the system's non-volatile memory.

14. (new) The system of claim 9, wherein the microcontroller locally stores a listing of address sources, address destinations and port numbers that authorize the packet to be routed directly to the system's non-volatile memory.

15. (new) The system of claim 9, wherein the packet is received from a network.

16. (new) A network adapter comprising:

a non-system-memory capable of temporarily storing a packet received by the network adapter; and

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a microcontroller capable of evaluating the packet received by the network adapter; wherein if the microcontroller determines that the packet is destined for a non-volatile memory in a system, then the microcontroller transfers the packet from the non-system memory in the network adapter to the non-volatile memory, and wherein if the microcontroller does not determine that the packet is destined for the non-volatile memory, then the microcontroller transfers the packet from the non-system memory in the network adapter to a volatile system memory.